

**STATE OF MINNESOTA  
PRICING PAGE  
(Typed Responses Required)**

Price quote for:

**Crawler Inspection Camera System**

Vendor Name: **Titan Machinery Inc**  
 Contact Person: **Andrew Bethel**  
 Street Address: **6340 County Rd 101 E**  
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Spec #	Information Requested	Answer
1.0	<b>MAKE AND MODEL</b>	RapidView IBAK P00006 Lateral Launch and Mainline System
	<b><u>CRAWLER</u></b>	
	Number of drive wheels/tracks	4 wheels
	Number of drive motor(s)	2
	Drive mechanism (chain, belt, gear, etc.)	Chain
	Does drive mechanism have a clutch	No
	Internal pressure rating	IP68, 14.0 psi
	Pressurization method	Dry air
	Does crawler maintain pressure if camera is removed	No
	Over/under pressure indicator light	Yes and indicator on main control
	Can repressurization be accomplished in the field	Yes
	Quantity, type & size of tracks/wheels included with base package	1 set of (4) each of 5", 6" and 8" diameter wheels
	Overlapping wheel design to prevent high centering	No
	Wheel/Track change tool requirement	Allen wrench
	Wheel/Track change time requirement	2 minutes
	Minimum pipe diameter	5" diameter
	Dimension-crawler only (LxHxW)	19" x 4.5" x 2.7"

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Spec #	Information Requested	Answer
	Overall length with camera attached	25.5"
	Weight of crawler	42 lbs.
	Overall weight crawler with camera attached	44 lbs.
	Material the crawler constructed from	Brass and stainless steel
	Cable connector type to crawler	KKD12 High strength mechanical locking connector
	Tools required to connect/disconnect crawler from cable	No
	Number of controls required to operate crawler	1 (All system functions from one controller)
	Direction crawler can operate (example: forward/neutral/reverse)	Full tank-style movement
	Is crawler steerable	Yes
	Does crawler have rear vision camera capability	Optional
	Inclinometer standard	Optional
	Power requirement (watts/amps/voltage)	100VAC to controller
	Is a Sonde device available	In camera head
	Lateral Launch robotic tractor system w/ launch camera	Included
<b><u>CAMERA</u></b>		
	Pan & tilt	Yes
	Pan and tilt control type	Joystick
	Home position control type	Button on joystick
	Pixels & lines of resolution	380,000 pixels, 570 TVL horizontal resolution
	Zoom (magnification optical & digital)	10x Optical 4x Digital
	Lux rating	1.5 lux
	Construction material	Coated aluminum and stainless steel
	Lens type	Shock resistant glass
	Lens field of view (VxHxD)	plus or minus 150°
	Black & white or color	Color
	Lighting type	High intensity LED
	Type of lighting control	Push button on controller
	Field replaceable lights	Yes
	Focus (auto & manual)	Auto and Manual

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Spec #	Information Requested	Answer
	Connection type	High strength locking camera connector
	Dimensions (LxHxW)	4" x 2.4" diameter
	Camera weight	1 lb.
	Pressurization method	Dry air
	Internal pressure rating	IP68, 14.0 psi.
	Over/under pressure indicator light	On controller
	Does camera maintain pressure when removed from crawler	Yes
	Will camera connect to cable w/o crawler and be fully functional	Yes with optional adapter
	Maximum viewing angle for pan	plus or minus 120°
	Maximum viewing angle for tilt	360° continuous rotation
	Does Camera controller have "home" position function type	Yes
	Does camera have the ability to view 360 degrees	Yes (rotation)
	Field replaceable windshield on camera	Yes
	<b><u>CABLE</u></b>	
	Cable length	1000 ft. on mainline 600 ft. on lateral launch
	Cable diameter	.375"
	Break strength	2000 lb.
	Single or multi-conductor	Multi
	Repairable	Re-terminate at connector
	<b><u>CABLE REEL</u></b>	
	Motorized (yes/no)	Yes
	Drive type	Electric motor, belt
	Automatic pay-out, or pulled by crawler	Automatic
	Automatically payed-in	Yes
	Cable reel level wind system	Automatic
	Drum emergency stop switch	Yes
	Resetable counter	Yes
	Counter-mechanical or electronic	Electronic
	Forward/reverse engagement control type (manual or electronic)	Remote pendant controller (Standard)
	Speed control type	Remote pendant controller (Standard)

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<b>Spec #</b>	<b>Information Requested</b>	<b>Answer</b>
	Type of torque control	Yes/current limiter
	Overheat sensor	Limiter will not allow to overheat
	Cable reel capacity	1000 ft./660 pushrod
	Portable	No
	Dimensions (LxHxW)	13" x 20.5" x 24.8"
	Power requirements	110VAC
<b><u>CENTRAL CONTROL UNIT</u></b>		
	Power requirements	110VAC
	Circuit protection type	Fused
	Video in/out	Yes
	Type of text generator	Integrated, on board
	Keyboard	QWERTY keyboard
	Desktop camera control	Joystick
	Number of video text generators on-screen	5 pages, 10 keywords, 10 colors, highlight option
	Video display of footage, time and date	Yes (additionally; inclination and temperature)
	Warranty	1 year manufacturer's parts and labor
<b>BASE UNIT PRICE:</b>		<b>\$ 217,482.00</b>

AUGUST 2013

VENDOR NAME

Titan Machinery Inc

MAKE AND MODEL

RapidView IBAK P00006 Lateral Launch and  
P00003 Mainline System

Spec #	Description	Qty	Price	Subtotal
1.0	<b>PRICE FOR BASE UNIT:</b>		\$ 217,482.00	\$ -
1.1	<b>CRAWLER OPTIONS:</b> Use this section to offer crawler options. Number items starting with 1.11, 1.12, etc. Use as many numbers as you need.			
1.11	V0000228 Inclinator Unit for T76/86/PANORAO (requires software)		\$ 3,062.00	\$ -
1.12	903911531 Additional Weight for T76 - 17 lbs.		\$ 1,175.00	\$ -
1.13	904116031 Temperature Sensor for T66/76/86/PANORAMO/LISY		\$ 2,870.00	\$ -
1.14	903915531 Oval Pipe - Overturn protection for T76		\$ 2,168.00	\$ -
1.15	905030030 Oval Pipe Attachment for LISY		\$ 1,207.00	\$ -
1.20	<b>WHEEL OPTIONS:</b> Use this section to offer wheel options. Number items starting with 1.21, 1.22, etc. Use as many numbers as you need.			
1.21	900406690 Small Pneumatic Tires for T76/86/PANORAMO/LISY (Grey)		\$ 1,276.00	\$ -
1.22	904110390 Large Pneumatic Tires for T76/86/PANORAMO/LISY (Black)		\$ 1,309.00	\$ -
1.23	900410391 T76/86 Treaded Wheelset for 8" and up (Brown/Hard)		\$ 1,340.00	\$ -
1.24	900410491 T76/86 Treaded Wheelset for 8" and up (Black/Soft)		\$ 1,276.00	\$ -
1.25	900401691 Granulated Wheel set RAD 100-4 for PVC		\$ 479.00	\$ -
1.26	900401491 Granulated Wheel set RAD120 for PVC		\$ 479.00	\$ -
1.27	900401591 Granulated Wheel set RAD150 for PVC		\$ 670.00	\$ -
1.30	<b>CAMERA OPTIONS:</b> Use this section to offer camera options. Number items starting with 1.31, 1.32, etc. Use as many numbers as you need.			
1.31	803250020 Manhole Camera Adapter		\$ 5,740.00	\$ -
1.32	EASYLOC CAM (512 Hz, 640 Hz and 33 kHz)		\$ 1,863.00	\$ -
1.33				\$ -
1.40	<b>LIGHTING OPTIONS:</b> Use this section to offer lighting options. Number items starting with 1.41, 1.42, etc. Use as many numbers as you need.			
1.41	V6023001 ZSW 75 Additional Light Ring		\$ 5,102.00	\$ -
1.42				\$ -
1.43				\$ -
1.50	<b>CONTROL CONSOLES:</b> Use this section to offer control console options. Number items starting with 1.51, 1.52, etc. Use as many numbers as you need.			
1.51				\$ -
1.52				\$ -
1.53				\$ -
1.60	<b>CABLE AND CABLE DRUM OPTIONS:</b> Use this section to offer cable and cable drum options. Number items starting with 1.61, 1.62, etc. Use as many numbers as you need.			
1.61	900300130 KUV 3 Top Manhole Deflection Pulley		\$ 1,244.00	\$ -
1.62	902313020 KUV 5.5 Cable Deflection Pulley for Standard Cable		\$ 368.00	\$ -
1.70	<b>OTHER CRAWLER OPTIONS:</b> Use this section to offer crawler options. Number items starting with 1.71, 1.72, etc. Use as many numbers as you need.			

Spec #	Description	Qty	Price	Subtotal
1.71			\$	-
1.72			\$	-
1.73			\$	-
1.80	<b>PERFORMANCE OPTIONS</b> Use this section to offer performance & extended warranty options. Number items starting with 1.81, 1.82, etc. Use as many numbers as you need.			
1.81	V9053004 LISY Large Diameter Package		\$ 7,654.00	\$ -
1.82			\$	-
1.83			\$	-
1.90	<b>EXTENDED WARRANTY OPTIONS</b> Use this section to offer performance/warranty options, number these items starting with 9.1, 9.2, 9.3, etc. (Specify years, miles or hours extended term covers.)			
1.91			Price: \$	
1.20	<b>VENDOR OWNED RENTAL RETURN OR DEMO EQUIPMENT PROGRAM</b> See Solicitation Special Terms and Conditions. <b>DEDUCT</b> cost per Used Hour from the original Contract Price		\$	
2.0	<b>DISCOUNT OFF LIST PRICE FOR RELATED PARTS AND ACCESSORIES</b> (See Special Terms and Conditions)		%	
	Price List Date and Number		\$	
2.1	<b>NEW EQUIPMENT RENTAL PROGRAM</b> If rental programs are available on the new equipment offered, with the option to purchase, list the hourly/weekly/monthly rental rate. Indicate the percent of rental fee paid by the purchaser that will be applied to the purchase price. See Solicitation Special Terms & Conditions.			
	Hourly Rental Rate:	\$		
	Weekly Rental Rate:	\$		
	Monthly Rental Rate:	\$		
	Percent (%) of Rental Fee applied to purchase price:	%		
2.2	<b>Delivery Starting Point (city, state, zip code)</b>		Rochester, Indiana	
2.3	Price per loaded mile		\$1.50	